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PTO/SB/08A (10-01)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/728790
		Filing Date	12/8/03
		First Named Inventor	Kia Silverbrook
		Art Unit	2853
		Examiner Name	Geoffrey Mark
Sheet 1 of 7	Attorney Docket Number	MTB05US	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. 1	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
GM		us5,719,604 *	Feb 17, 1998	Inui et al	
		us5,666,141 *	Sep 09, 1997	Matoba et al	
		us4,672,398 *	Jun 09, 1987	Kuwabara et al	
		us4,737,802 *	Apr 12, 1988	Mielke	
		us5,029,805 *	Jul 09, 1991	Albarda et al	
		us5,258,774 *	Nov 02, 1993	Rogers	
		us4,553,393 *	Nov 19, 1985	Ruoff	
		us4,864,824 *	Nov 12, 1989	Gabriel et al	
		us4,423,401 *	Dec 27, 1983	Mueller	
		us4,941,001 *	Jan 1929	Hansell	
		us3,596,275 *	Jul 1971	Sweet	
		us3,373,437 *	Mar 1968	Sweet et al	
		us3,946,398 *	Mar 1976	Kyser et al	
		us3,683,212 *	Aug 1972	Zoltan	
		us3,747,120 *	Jul 1973	Stemme	
GM		us4,459,601 *	Jul 1984	Howkins	
		us4,584,590 *	Apr 1986	Fischbeck et al	
		us4,490,728 *	Dec 1984	Vaught et al	
		us4,899,181 *	Dec 1990	Hawkins et al	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. 1	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
GM		EP 0 713 774 *	May 29, 1996	Sharp Kabushiki Kaisha	
		DE 195 16 997 *	Nov 16, 1995	Sharp K.K	
		DE 196 23 620 *	Dec 19, 1995	Sharp K.K	
		JP 2-108544 (Abstract) *	Apr 20, 1990	Seiko-Epson Corp	
		JP 2-92643 (Abstract) *	Apr 03, 1990	Seiko-Epson Corp	
		JP 4-353458 (Abstract) *	Dec 08, 1992	Brother Ind Ltd	
		JP 6-91865 (Abstract) *	Apr 05, 1994	Seikosha Co Ltd	
		JP 6-91866 (Abstract) *	Apr 05, 1994	Seikosha Co Ltd	
		JP 2-265752 (Abstract) *	Oct 30, 1990	Matsushita Electronic Ind Co Ltd	
		EP 0 634 273 *	Jan 18, 1995	Sharp Kabushiki Kaisha	

Examiner Signature	<i>Jeffrey Mark</i>	Date Considered	3/24/2006
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First Named Inventor				Kia Silverbrook	
Art Unit				2853	
Examiner Name				Geoffrey Mark	
Attorney Docket Number				MTB05US	
Sheet	2	of	7		

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		Country Code* -Number* -Kind Code* (if known)			
GM ↓ GM		DE 195 32 913 *	Mar 28, 1996	Sharp K.K	
		JP 58 112747 (Abstract)*	Jul 05, 1983	Fujitsu KK	
		DE 43-28 433 *	Mar-02-1995	Heidleberger-Druckmaschinen AG	
		JP 61.025849 (Abstract) *	Feb.04.1986	Canon Inc	
		JP 01 128839 (Abstract) *	May 22, 1989	Ricoh Co Ltd	
		JP 04 126255 (Abstract) *	Apr 27, 1992	Seiko Epson Corp	
		GB 2 262 152 *	Jun 09, 1993	Willet Int Ltd	
		DE 195-16 997 *	Nov 16, 1995	Sharp K.K	
		JP 05-318724 (Abstract) *	Dec 03-1993	Seikosha-Co Ltd	
		JP 02-162049 (Abstract) *	Jun 21, 1990	Seiko Epson Corp	
		DE 32 45 283 *	Jun 07, 1984	Siemens AG	
		JP 04 368851 (Abstract) *	Dec 21, 1992	Seiko Epson Corp	

Examiner Signature	<i>[Signature]</i>	Date Considered	3/24/2006
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GM ↓ GM		DE 39 34 280 *	Apr 26, 1990	CAE di Cipelletti Alberto	PLC	
		DE 29 05 063 *	Aug 14, 1980	Olympia Werke AG		
		WO 94-18010 *	Aug 18, 1994	Domino Printing Sciences		
		EP 0 398 031 *	Nov 22, 1990	Seiko Epson Corp		
		EP 0 427 291 *	May 15, 1991	Seiko Epson Corp		
		JP 01 115639 (Abstract) *	May 08, 1989	Ricoh Co Ltd		
		JP 58 116165 (Abstract) *	Jul 11, 1983	Canon K.K		
		EP 0 627 314 *	Dec 07, 1994	Olivetti Canon Ind SPA		
		JP 61-268453 (Abstract) *	Nov 27, 1986	Olympus Optical Co Ltd		
		JP 04 118241 (Abstract) *	Apr 20, 1992	Seiko Epson Corp		
	EP 0 506 232 *	Sep 30, 1992	Videojet Systems Int, Inc			
	JP 07 314665 (Abstract) *	Dec 05, 1995	Canon Inc			

Examiner Signature	<i>Jeffrey M. K</i>	Date Considered	3/24/2006
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Substitute for form 1449A/PTO

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Sheet 5 of 7

Complete if Known

Application Number	10/728790
Filing Date	12/8/03
First Named Inventor	Kia Silverbrook
Art Unit	2853
Examiner Name	Geoffrey M.
Attorney Docket Number	MTB05US

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6M ↓ 6M		JP 03 180350 *	Aug 06, 1991	Seiko Epson Corp		
		WO 97 12689 *	Apr 10, 1997	The Board of Trustees of the Leland Stanford University		
		JP 02 050841 (Abstract) *	Feb 20, 1990	Seiko Epson Corp		
		EP 0 510 648 *	Oct 28, 1992	Avri Yehuda		
		JP 05 28765 (Abstract) *	Oct 29, 1993	Canon Inc		
		JP 04 141429 (Abstract) *	May 14, 1992	Seiko Epson Corp		
		JP 01 105746 (Abstract) *	Apr 24, 1989	Ricoh Co. Ltd		
		GB-792-145 *	Mar-19-1958	Technograph-Printed-Circuits-Ltd		
		EP 0 750 993 *	Jan. 02, 1997	Canon-K.K		
		JP 01 306254 (Abstract) *	Dec.11, 1989	Seiko Epson Corp		
	EP 0 092 229 *	Oct 26, 1983	Siemens AG			

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Date

Considered

3/24/2006

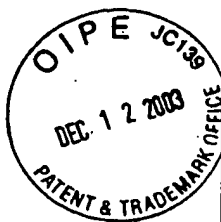
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		Filing Date	12/8/03
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		Art Unit	2853
		Examiner Name	Geoffrey Mark
Sheet 6 of 7	Attorney Docket Number	MTB05US	

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		Number - Kind Code ² (if known)			
		US-			
		US-			
		US-			
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		Country Code ³	Number ⁴ - Kind Code ⁵ (if known)			
GM		DE	37 16 996 *	Dec 08, 1988	VDO Schindling	
GM		DE	34 30 155 *	Feb 27, 1986	Siemens AG	
GM		FR	2-231-076 *	Dec-20-1974	Electricite De-France	
GM		GB	2 007 162 *	May 1979		

Examiner Signature	<i>Geoffrey Mark</i>	Date Considered	3/24/2006
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Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet	7	of	7
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Complete if Known

Application Number	
Filing Date	
First Named Inventor	Kia Silverbrook
Group Art Unit	
Examiner Name	
Attorney Docket Number	MTB05US

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
GM		NOWOROLSKI, J. MARK et al, "Process for in-plane and out-of-plane single-crystal-silicon thermal microactuators". Sensors and Actuators, A, CH, Elsevier-Sequoia S.A., Lausanne, Vol-55, no.-1,-15-July-1996; pp-65-69, XP004077979 ISSN: 0924-4247.	
GM		ATAKA, MANABU et al, "Fabrication and Operation of Polymide-Bimorph Actuators for Ciliary Motion System". Journal of Microelectromechanical Systems, US, IEEE Inc. New York, Vol. 2, no. 4, 1 December 1993, pp 146-150, XP000443412, ISSN: 1057-7157.	
GM		YAMAGATA, YUTAKA et al, "A Micro Mobile Mechanism Using Thermal Expansion and its Theoretical Analysis". Proceeding of the workshop on micro electro mechanical systems (MEMS), US, New York, IEEE, Vol. Workshop 7, 25 January-1994, pp-142-147, XP000528408, ISBN: 0-7803-1834-X.	

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Signature**

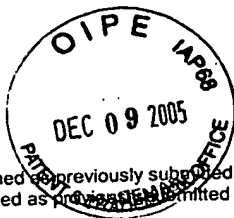
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		Art Unit	2853
		Examiner Name	Geoffrey S. Mruk
Sheet	1	of	1
		Attorney Docket Number	MTB05US

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GM		US- 6416167 *	Jul 9 2002	Silverbrook	
		US-			
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		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
GM		JP 404001051 A **	Jan 6 1992	Komai		
		GB 2007162 *	May 16 1979	Canon KK		

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